

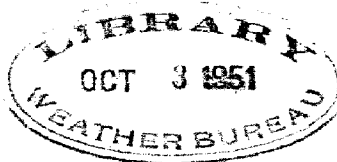
1949 ✓ NC

METEOROLOGICAL OBSERVATIONS

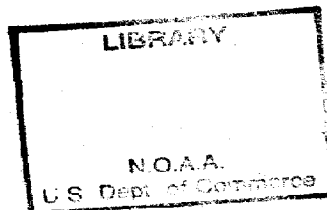
STATION NOTES

The climatological readings for Kingston are made from several stations. Temperatures and humidity are measured in a Stevenson Screen situated at St. George's College and supervised by the Society of Jesuits. The exposure is good and the readings are considered representative of the area. Rainfall is measured at the Public Works Office but there are several other gauges within a two-mile radius with which to compare. This is necessary with the capricious nature of Jamaica rain. Cloud weather and wind are recorded at Palisadoes Airport situated on the seaward side of Kingston Bay. This is a full time synoptic and climatological meteorological station, first class, maintained by Air Ministry staff, and is the forecast centre for the western Caribbean. Here the exposure is excellent but the cloud amount tends to be less than over the City. Showers are also less frequent. The day sea breeze sets in earlier at the Airport and apparently is stronger, while the night land breeze which cools the urban area does not appreciably affect the Airport till dawn. Wind is recorded by Dines Pressure Tube Recording Anemometer.

Both Morant Point and Negril Point Lighthouse are full synoptic reporting stations with a good complement of instruments including Cup Anemometers. Exposures are open and very good, the sites at the extreme east and west extremities of the Island being excellent for their main purpose of weather reporting for immediate international use.



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National Oceanic and Atmospheric Administration

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March 28, 2002

METEOROLOGICAL OBSERVATIONS

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NEGRIL POINT LIGHTHOUSE, JAMAICA.—Mean Meteorological Results for the Year 1949. Longitude 78° 23' West Latitude 18° 15' North

Month	Mean Pressure	Air Temperatures Fah.						Dew Point		Relative Humidity		Amount of Cloud Tenths		Rainfall Inches		Weather No. of days of				Wind No. of Observations of												
		7 a.m.	1 p.m.	7 p.m.	Means of		Absolute Max. and Min.		7 a.m.	1 p.m.	7 p.m.	7 a.m.	7 p.m.	7 p.m.	Total	Date	Thunder Storm	Clear Sky +	Overcast +	Gales	N. NE.	E. SE.	S. SW.	W. NW	Calm							
					Min.	Max.	Min.	Max.																								
																										Date	Date					
Jan.	30.000	71.2	83.2	75.4	66.5	85.4	63	*15	89	29	65	66	66	66	1.38	30	6	0	0	6	0	2	39	30	6	5	1	4	1	4		
Feb.	30.007	69.3	83.4	76.3	65.9	85.3	62	10	87	1	65	68	68	68	1.38	18	8	1	0	4	0	3	16	20	8	11	10	8	2	6	6	
Mar.	29.942	70.9	83.6	76.6	66.8	85.3	60	9	88	*15	66	68	68	68	1.37	26	9	0	0	0	0	10	21	26	6	8	7	4	8	3	3	
Apr.	29.937	73.9	84.1	78.4	72.7	85.8	69	*1	88	*7	69	71	71	71	0.56	16	12	3	0	0	0	4	9	20	28	16	2	2	5	4	4	
May	29.920	75.9	84.6	77.7	71.4	86.0	69	*4	90	29	72	73	73	73	0.87	1	18	20	0	6	0	5	19	25	15	14	3	4	4	4	4	
June	29.941	76.7	85.0	80.3	72.1	87.5	70	*3	90	*10	72	73	74	74	1.30	27	11	18	0	0	0	7	11	22	20	9	4	3	5	9	9	
July	29.956	76.6	86.4	80.8	72.4	88.0	70	*6	92	27	72	74	75	75	0.87	13	10	18	0	0	0	4	11	31	13	13	5	2	6	8	8	
Aug.	29.933	76.7	86.8	80.6	72.9	88.6	71	1	93	24	71	75	74	75	1.40	13	13	0	0	0	0	6	16	22	15	11	5	9	3	3	3	
Sept.	29.980	76.7	85.8	79.8	73.2	87.5	72	*1	91	22	72	75	74	75	1.41	23	15	24	0	2	1	5	17	16	25	12	3	6	2	4	4	
Oct.	29.866	74.9	87.1	77.5	72.4	88.5	69	23	92	19	72	74	74	74	1.50	28	14	16	0	2	0	7	21	19	16	13	5	4	5	3	3	
Nov.	29.886	74.4	84.4	76.5	71.7	85.6	69	*28	90	12	70	72	73	73	1.73	1	12	6	0	5	0	21	25	21	7	6	1	3	5	1	1	
Dec.	29.922	71.5	84.1	75.4	67.9	85.6	64	*16	90	7	68	68	67	68	0.65	29	6	3	0	1	0	6	56	15	0	2	2	3	2	7	7	
Mean	29.941	74.1	84.9	77.9	70.5	86.6	67	...	90	...	69	71	71	71
Totals															53.77	134	109	0	26	1	80	261	267	159	120	48	52	48	56			

*And on other days.
†Clear Sky—0—2/8 Cloud.
†Overcast — 8/8 Cloud.

Barometer Pressure reduced to the Standard of National Physical Laboratory 32°. Gravity at Latitude 18° and to Mean Sea Level. The 75th Meridian West of Greenwich Standard Time used. Altitude of Standard Barometer above Mean Sea Level 33 ft. Height of Thermometers above ground 4 ft. 6 inches. Height of Rain-gauge above ground 6 ft. 5 ins. Height of Anemometer above the ground 94 ft. to the 31st May, 1936, and 22 ft. above ground from 1st June, 1936.

METEOROLOGICAL OBSERVATIONS

MORANT POINT LIGHTHOUSE, JAMAICA.—Mean Meteorological Results for the Year 1949. Longitude 76° 12' West Latitude 17° 56' North

Month	Mean Pressure	Air Temperatures Fah.					Dew Point		Relative Humidity		Amount of Cloud Tenths		Rainfall Inches		Weather No. of days of				Wind No. of Observations of																	
		7 a.m.	3 p.m.	Mean	Means of		Min.	Max.	Date	Min.	Max.	Date	Total	Max.	Rain	Thunder Storm	Clear Sky +	Overcast +	Gales	N	NE	E	SE	S	SW	W	NW	Calm								
					Min.	Max.																														
																													Date	Date						
Jan.	30.021	76.5	79.9	77.3	73.8	81.5	67	21	84	31	69	72	71	79	77	81	6.5	6.1	3.8	3.53	1.58	1	17	12	19	35	32	2			0	2	2	1		
Feb.	30.054	76.1	81.0	78.9	73.8	83.2	63	28	88	21	69	77	70	81	86	79	5.9	4.8	3.3	1.42	0.38	14	8	8	0	38	28	16	0	0	1	1	0			
Mar.	29.961	74.5	82.0	77.4	71.3	84.1	59	11	86	15	70	72	70	83	71	79	3.8	3.0	2.5	1.77	0.70	28	10	5	12	30	27	19	0	0	3	2	0			
Apr.	29.976	78.0	83.6	78.7	75.0	85.1	67	1	86	*5	73	75	73	84	74	83	4.7	3.9	2.4	0.74	0.35	1	9	7	4	12	9	63	0	0	0	1	1			
May	29.932	78.4	82.8	78.3	75.2	84.2	69	*20	87	14	74	76	74	86	79	86	4.0	4.2	4.1	16.20	4.32	19	18	5	16	7	2	12	66	2	0	1	0	3		
June	29.964	80.0	83.8	80.1	76.5	84.9	71	1	88	22	75	76	75	85	78	83	4.1	3.5	3.5	6.47	3.23	2	11	4	13	0	6	19	82	2	0	0	0	1		
July	29.990	81.0	84.4	81.0	78.1	86.4	73	21	90	19	76	77	76	85	79	85	4.0	4.1	3.2	3.95	1.38	20	13	10	13	1	8	23	57	2	0	0	1	0		
Aug.	29.950	82.3	84.8	81.6	77.8	86.9	70	11	92	23	75	77	77	79	78	84	3.1	3.6	3.5	11.23	2.62	30	16	7	11	7	7	18	56	0	1	1	0	2		
Sept.	29.897	80.3	84.7	81.6	74.5	86.7	71	*6	89	*3	76	78	76	87	79	86	3.8	4.5	3.8	18.13	8.04	16	20	10	11	2	18	6	12	45	0	2	1	1	5	
Oct.	29.892	79.5	84.7	81.1	74.2	85.9	67	5	87	*4	75	78	75	79	79	82	3.8	3.9	2.9	10.91	2.25	11	21	7	11	15	22	9	30	1	5	5	1	5		
Nov.	29.893	78.9	83.0	79.8	74.6	84.5	70	*6	86	*1	74	76	75	85	79	84	4.0	3.9	3.4	9.04	2.63	3	19	2	13	34	20	7	22	1	0	4	1	1		
Dec.	29.927	78.0	80.8	78.6	74.5	82.5	65	24	87	26	72	73	72	82	77	81	4.1	4.1	2.4	3.10	1.14	23	15	1	8	37	40	13	3	0	0	0	0	0		
Means	29.954	78.6	83.0	79.4	74.9	84.7	68	73	87	73	76	74	74	83	78	83	4.3	4.1	3.2	86.49	
Totals																																				

*And on other days.

†Clear Sky — 0—2/8 Cloud.

‡Overcast — 8/8 Cloud.

Barometer Pressure reduced to the Standard of National Physical Laboratory 32°. Gravity at Latitude 45° and to Mean Sea Level. The 75th Meridian West of Greenwich Standard Time used. Altitude of Standard Barometer above Mean Sea Level 8 ft. Height of Thermometers above ground at 4 ft. 6 ins. Height of Rain-gauge above ground 3 ft. Height of Anemometer above ground 18 ft.

THE WEATHER OF 1949

The rainfall for the Island was 88% of the 70-year Mean. The parishes of St. Thomas (116%) and Hanover (105%) received more rain than normal, whilst the Parishes of St. Mary (74%), Portland (73%), Clarendon (74%) and Kingston (70%) were well below average. The rainfall for the remaining Parishes was about normal. On examining the island mean figures month by month, May was the wettest month in 1949; the Parish of St. Thomas had 227% of the normal, whilst St. Ann, St. Elizabeth and Westmoreland received almost half as much again as normal. September and December were rather wetter than usual and November in some areas was above average, particularly in St. Thomas (188%) and Clarendon (151%) in September, and Hanover (163%), St. James (155%) and Westmoreland (174%) in November, and St. Andrew (216%) in December. January and February were very dry in most Parishes. Kingston only received 17% in January and 3% in February of its normal rainfall.

Temperatures were a little above average for the year but nights were cooler than normal in January, February, March and December.

Extremes—During January, 23 stations reported no measurable rain, whilst 22 stations also received no rainfall.

The highest recorded temperature in Kingston was 94.1°F. on 4th August—the lowest Maximum since 1938. The coolest night occurred on 19th January when the mercury fell to 64.6°F. At Hope, the highest temperature was 96.4°F. in September, whilst January, February and March were the coolest months for at least ten years.

Northers—Light Northers penetrated as far as Jamaica in January, May and December, but there were no reports of high winds to damage crops. The weather situation in May was similar to that of May 1948 but fortunately, the disastrous floods of that year did not again occur.

Tropical Storms—There were eleven (11) tropical disturbances in and around the Caribbean in 1949, but fortunately, none came near enough to Jamaica to warrant the issue of a warning for the Island.

It was not until August 21st, that the first storm of the year was discovered, some 300 miles North of Puerto Rico. It moved WNW and then slowly curved North to pass over a Lightship off Cape Hatteras. The first storm in the Caribbean proper was located near Martinique on August 30th, but by September 2nd, the storm had weakened so much that no definite centre could be found. The sixth storm of the season and the second in the Caribbean was located 100 miles SSE of St. Croix on September 21st. It moved WNW to reach the south-east coast of the Dominican Republic and then fortunately dissipated, though not before 15 lives were lost there. The last hurricane of the season was located by aircraft 50 miles East of Swan Island on November 3rd, but fortunately, for Jamaica, drifted slowly SSW until it reached Honduras, where it dissipated rapidly.